

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	10	"6462762".pn. "5923328".pn. "5649205".pn. "5832501".pn. "6279016".pn. "6271846".pn. "5644740".pn. "5913038".pn. "5973695".pn. "6151024".pn. "5832501".pn. "6271846".pn. "5973695".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/16 13:46
S2	1	"5832501".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/16 13:46
S3	25	("4653020"   "5563595"   "5630122"   "5632022"   "5636350"   "5652878"   "5680563"   "5694546"   "5710899"   "5758083"   "5787411"   "5809483"   "5809497"   "5815703"   "5826076"   "5845300"   "5982369").PN. OR ("6279016"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/16 14:32
S4	28247	"715".clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/16 14:19
S5	682	715/526.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/16 14:21
S6	9154	707/3-4.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/16 14:22
S7	35	S5 and S6	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/16 14:23
S8	9	S7 and filter\$3	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/16 14:24

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S9	25	("4653020"   "5563595"   "5630122"   "5632022"   "5636350"   "5652878"   "5680563"   "5694546"   "5710899"   "5758083"   "5787411"   "5809483"   "5809497"   "5815703"   "5826076"   "5845300"   "5982369").PN. OR ("6279016"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/16 15:10
S10	8	("4453217"   "4791556"   "4945475"   "5008820").PN. OR ("5649205").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/16 15:09
S11	95	("4318184"   "4613946"   "4710763"   "4868733"   "5262761"   "5295230"   "5394522"   "5404506"   "5406477"   "5418946"   "5428712"   "5428737"   "5428776"   "5493678"   "5504851"   "5553226"   "5568640").PN. OR ("5644740"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/16 15:09
S12	74	("4903201"   "5003473"   "5077665"   "5101353"   "5227967"   "5230048"   "5231571"   "5245535"   "5270922"   "5375055").PN. OR ("5809483").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/16 15:09
S13	29	("4506326"   "5265246"   "5301313"   "5421008"   "5426781"   "5428737"   "5455945"   "5499368"   "5519859"   "5544355"   "5566330"   "5584024"   "5608899"   "5630120").PN. OR ("5787411").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/16 15:09
S14	36	("4821220"   "4885717"   "4891630"   "4953080"   "5041992"   "5050090"   "5060276"   "5075848"   "5093914"   "5119475"   "5125091"   "5133075"   "5136705"   "5151987"   "5181162"   "5315703"   "5388264"   "5504852"   "5519865").PN. OR ("5680563"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/16 15:10
S15	11	("4752889"   "5301313"   "5426781"   "5485567").PN. OR ("5630122").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/16 15:10

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S16	270	S9 S10 S11 S12 S13 S14 S15	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/16 15:11
S17	1363571	filter\$3	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/16 15:11
S18	1956053	filter\$3 seperat\$3 screen\$3	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/16 15:31
S19	198017	S18.ab.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/16 15:12
S20	717079	S18.bsum.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/16 15:13
S21	732136	S19 S20	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/16 15:13
S22	113	S16 and S21	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/16 15:13
S23	1368982	filter\$3 seperat\$3	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/16 15:31
S24	445598	S23.ab. S23.bsum.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/16 15:32
S25	48	S16 and S24	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/16 15:33
S26	39	S25 not (S3 S1)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/16 15:33
S27	41	("4845653"   "4896291"   "5043920"   "5249263"   "5280567"   "5289567"   "5289572"   "5295243"   "5297248"   "5317511"   "5317680"   "5321800"   "5321803"   "5334992"   "5337405"   "5339390"   "5339391"   "5339392"   "5375199").PN. OR ("5710899"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/16 15:49

## EAST Search History

S28	41	("4845653"   "4896291"   "5043920"   "5249263"   "5280567"   "5289567"   "5289572"   "5295243"   "5297248"   "5317511"   "5317680"   "5321800"   "5321803"   "5334992"   "5337405"   "5339390"   "5339391"   "5339392"   "5375199").PN. OR ("5710899"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/16 15:49
S29	41	("4845653"   "4896291"   "5043920"   "5249263"   "5280567"   "5289567"   "5289572"   "5295243"   "5297248"   "5317511"   "5317680"   "5321800"   "5321803"   "5334992"   "5337405"   "5339390"   "5339391"   "5339392"   "5375199").PN. OR ("5710899"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/16 15:49
S30	41	("4845653"   "4896291"   "5043920"   "5249263"   "5280567"   "5289567"   "5289572"   "5295243"   "5297248"   "5317511"   "5317680"   "5321800"   "5321803"   "5334992"   "5337405"   "5339390"   "5339391"   "5339392"   "5375199").PN. OR ("5710899"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/16 15:49
S31	41	("4845653"   "4896291"   "5043920"   "5249263"   "5280567"   "5289567"   "5289572"   "5295243"   "5297248"   "5317511"   "5317680"   "5321800"   "5321803"   "5334992"   "5337405"   "5339390"   "5339391"   "5339392"   "5375199").PN. OR ("5710899"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/16 15:49

## EAST Search History

S32	41	("4845653"   "4896291"   "5043920"   "5249263"   "5280567"   "5289567"   "5289572"   "5295243"   "5297248"   "5317511"   "5317680"   "5321800"   "5321803"   "5334992"   "5337405"   "5339390"   "5339391"   "5339392"   "5375199").PN. OR ("5710899"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/16 15:49
S33	41	("4845653"   "4896291"   "5043920"   "5249263"   "5280567"   "5289567"   "5289572"   "5295243"   "5297248"   "5317511"   "5317680"   "5321800"   "5321803"   "5334992"   "5337405"   "5339390"   "5339391"   "5339392"   "5375199").PN. OR ("5710899"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/16 15:49
S34	41	("4845653"   "4896291"   "5043920"   "5249263"   "5280567"   "5289567"   "5289572"   "5295243"   "5297248"   "5317511"   "5317680"   "5321800"   "5321803"   "5334992"   "5337405"   "5339390"   "5339391"   "5339392"   "5375199").PN. OR ("5710899"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/16 15:50
S35	41	S27 S28 S29 S30 S31 S32 S33 S34	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/16 15:50
S36	41	("4845653"   "4896291"   "5043920"   "5249263"   "5280567"   "5289567"   "5289572"   "5295243"   "5297248"   "5317511"   "5317680"   "5321800"   "5321803"   "5334992"   "5337405"   "5339390"   "5339391"   "5339392"   "5375199").PN. OR ("5710899"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/16 15:50

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S37	44	("4803614"   "5047918"   "5065347"   "5179658"   "5201047"   "5388196"   "5410692").PN. OR ("5519865"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/16 15:51
S38	83	("5121477"   "5148154"   "5179652"   "5204947"   "5293615").PN. OR ("5566330"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/16 15:51
S39	41	("5680563").PN. OR ("5838317"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/16 15:51
S40	42	("4791561"   "4792888"   "4823283"   "4831552"   "4937743"   "4962463"   "4972504"   "4991076"   "5021967"   "5049873"   "5101348"   "5121475"   "5133075"   "5148154"   "5179657"   "5187787"   "5204955"   "5208907"   "5241645"   "5247611"   "5257349"   "5295244"   "5317730"   "5369702"   "5546540"   "5680563"   "5682523"   "5734903"   "5787252").PN. OR ("5956508"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/16 15:51
S41	24	("4334270"   "4674044"   "4823265"   "5260999"   "5262942"   "5270922"   "5297031"   "5347452"   "5537618"   "5544281"   "5630123"   "5754939"   "5761661"   "5809483"   "5862325"   "5864871"   "5893079"   "5911136"   "5913202").PN. OR ("6049783"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/16 15:52
S42	10	("5161225"   "5247669"   "5287504"   "5379426"   "5602729"   "5664182"   "5680563"   "5881315").PN. OR ("6269407").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/16 15:52

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S43	58	("4663616"   "4860218"   "4868765"   "4964077"   "5122972"   "5186629"   "5255356"   "5297249"   "5301301"   "5335320"   "5361361"   "5363482"   "5416903"   "5438662"   "5461399"   "5483632"   "5506937"   "5528744"   "5610828"   "5613134"   "5615326"   "5617114"   "5621874"   "5644740"   "5689642"   "5694561"   "5751283"   "5760772"   "5771042"   "5796402"   "5802514"   "5808610"   "5812804"   "5815151"   "5819055"   "5835088"   "5856826"   "5874962"   "5874964"   "5880733"   "5894311"   "5900876"   "5909690"   "5912668"   "5920314"   "5937400"   "5973702"   "6002401"   "6012072"   "6031989").PN. OR ("6304259").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/16 15:52
S44	25	("20020087451"   "20020087573"   "20020091582"   "20040044661"   "20040056879"   "4879648"   "5063600"   "5206949"   "5787411"   "5806057"   "5924090"   "5999932"   "6023723"   "6032145"   "6041325"   "6073167"   "6169992"   "6208985"   "6321224"   "6324534"   "6484165"   "6493702"   "6584462"   "6631522"   "RE34476").PN. OR ("7139762"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/16 15:52
S45	321	S37 S38 S39 S40 S41 S42 S43 S44	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/16 15:53
S46	43	S45 and S24	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/16 15:54
S47	39	S46 not (S25 S3 S11)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/16 15:54

## EAST Search History

S48	15	(US-6279016-\$ or US-5649205-\$ or US-5644740-\$ or US-5680563-\$ or US-5809483-\$ or US-5787411-\$ or US-5710899-\$ or US-5630122-\$ or US-7139762-\$ or US-6269407-\$ or US-6049783-\$ or US-5956508-\$ or US-5838317-\$ or US-5566330-\$ or US-5519865-\$).did.	USPAT	OR	ON	2007/01/16 17:43
S49	10	S48 and text	USPAT	OR	ON	2007/01/16 17:43
S50	15	(US-5519865-\$ or US-5566330-\$ or US-5838317-\$ or US-5956508-\$ or US-6049783-\$ or US-6269407-\$ or US-7139762-\$ or US-5630122-\$ or US-5680563-\$ or US-5710899-\$ or US-5787411-\$ or US-5809483-\$ or US-5644740-\$ or US-5649205-\$ or US-6279016-\$).did.	USPAT	OR	ON	2007/07/06 11:08
S51	12	range and S50	USPAT	OR	ON	2007/07/06 11:20
S52	743	filter\$3 near3 ((multiple different various) adj2 range)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/06 11:22
S53	8	filter\$3 near3 ((multiple different various) adj2 range adj2 value)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/06 11:24
S54	452	filter\$3 near3 (range adj2 value)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/06 11:24
S55	27	("4653020"   "5563595"   "5630122"   "5632022"   "5636350"   "5652878"   "5680563"   "5694546"   "5710899"   "5758083"   "5787411"   "5809483"   "5809497"   "5815703"   "5826076"   "5845300"   "5982369").PN. OR ("6279016"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/06 11:25